

wherein said member comprises a Ni based alloy according to claim 1 or 2.

Claim 4 (original): A Ni based alloy with excellent corrosion resistance relative to supercritical water environments containing inorganic acids comprising:

Cr: from 29% to less than 42%, Ta: from more than 1% to 3% or less, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,

and a remainder as Ni and unavoidable impurities,

wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.

Claim 5 (currently amended): ~~The~~ A Ni based alloy of claim 4 ~~with excellent corrosion resistance relative to supercritical water environments containing inorganic acids comprising:~~

~~Cr: from 29% to less than 42%, Ta: from more than 1% to 3% or less, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,~~

further comprising Mo: 0.1% to 2%[[,]]

~~and a reminder as Ni and unavoidable impurities,~~

~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 6 (currently amended): ~~The~~ A Ni based alloy of claim 4 ~~with excellent corrosion resistance relative to supercritical water environments containing inorganic acids comprising:~~

~~Cr: from 29% to less than 42%, Ta: from more than 1% to 3% or less, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,~~

Cr: from more than 36% to less than 42%, W: from more than 0.01% to less than 0.5%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,
and a remainder as Ni and unavoidable impurities,
wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.

Claim 10 (currently amended): ~~The A Ni based alloy of claim 9 with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:~~

~~Cr: from more than 36% to less than 42%, W: from more than 0.01% to less than 0.5%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,~~

~~further comprising Nb: from more than 1.0% to 6% or less,~~

~~and a remainder as Ni and unavoidable impurities,~~

~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 11 (currently amended): ~~The A Ni based alloy of claim 9 with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:~~

~~Cr: from more than 36% to less than 42%, W: from more than 0.01% to less than 0.5%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,~~

~~further comprising at least one either one, or both, of Mo: from 0.01% to less than 0.5% and Hf: 0.01% to 0.1%,~~

~~and a remainder as Ni and unavoidable impurities,~~

~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 12 (currently amended): The A Ni based alloy of claim 9 with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:

Cr: from more than 36% to less than 42%, W: from more than 0.01% to less than 0.5%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,

further comprising at least one ~~either one, or both,~~ of Fe: 0.1% to 10% and Si: 0.01% to 0.1%;

~~and a remainder as Ni and unavoidable impurities,~~

~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 13 (currently amended): ~~The~~ A Ni based alloy of claim 9 ~~with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:~~

Cr: from more than 36% to less than 42%, W: from more than 0.01% to less than 0.5%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,

further comprising Nb: from more than 1.0% to 6% or less[[,]]; and

further comprising either one, or both, at least one of Mo: from 0.01% to less than 0.5% and Hf: 0.01% to 0.1%;

~~and a remainder as Ni and unavoidable impurities.~~

~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 14 (currently amended): ~~The~~ A Ni based alloy of claim 9 ~~with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:~~

Cr: from more than 36% to less than 42%, W: from more than 0.01% to less than 0.5%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%, further comprising Nb: from more than 1.0% to 6% or less[[,]]; and ~~further comprising either one, or both, at least one~~ of Fe: 0.1% to 10% and Si: 0.01% to 0.1%, and a remainder as Ni and unavoidable impurities, ~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 15 (currently amended): ~~The~~ A Ni based alloy of claim 9 with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:

Cr: from more than 36% to less than 42%, W: from more than 0.01% to less than 0.5%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,

further comprising ~~either one, or both,~~ at least one of Mo: from 0.01% to less than 0.5% and Hf: 0.01% to 0.1%[[,]]; and

further comprising either one, or both, at least one of Fe: 0.1% to 10% and Si: 0.01% to 0.1%;

~~and a remainder as Ni and unavoidable impurities,~~

~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 16 (currently amended): The A Ni based alloy of claim 9 with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:

~~Cr: from more than 36% to less than 42%, W: from more than 0.01% to less than 0.5%, Mg:~~
~~0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,~~
further comprising Nb: from more than 1.0% to 6% or less,
~~further comprising either one, or both, at least one~~ of Mo: from 0.01% to less than 0.5% and
Hf: 0.01% to 0.1%[[,]]; and
~~further comprising either one, or both, at least one~~ of Fe: 0.1% to 10% and Si: 0.01% to
0.1%;
and a remainder as Ni and unavoidable impurities,
~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 17 (currently amended): A member for a supercritical water process reaction
apparatus,
wherein said member comprises a Ni based alloy according to ~~any one of claims~~ claim 9 to
16.

Claim 18 (original): A Ni based alloy with excellent resistance to stress corrosion cracking
in supercritical water environments containing inorganic acids comprising:

Cr: from more than 28% to less than 34%, W: from more than 0.1% to less than 1.0%, Mg:
0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,
and a remainder as Ni and unavoidable impurities,
wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.

Cr: from more than 28% to less than 34%, W: from more than 0.1% to less than 1.0%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,
further comprising ~~either one, or both,~~ at least one of Fe: 0.1% to 10% and Si: 0.01% to 0.1%,
and a remainder as Ni and unavoidable impurities;
wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.

Claim 22 (currently amended): The A Ni based alloy of claim 18 with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:

Cr: from more than 28% to less than 34%, W: from more than 0.1% to less than 1.0%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%, further comprising Nb: from more than 1.0% to 6% or less[[,]]; and further comprising either one, or both, at least one of Mo: from 0.01% to less than 0.5% and Hf: 0.01% to 0.1%, and a remainder as Ni and unavoidable impurities, wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.

Claim 23 (currently amended): The A Ni based alloy of claim 18 with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:

Cr: from more than 28% to less than 34%, W: from more than 0.1% to less than 1.0%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%, further comprising Nb: from more than 1.0% to 6% or less[[,]]; and further comprising either one, or both, at least one of Fe: 0.1% to 10% and Si: 0.01% to 0.1%, and a remainder as Ni and unavoidable impurities, wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.

Claim 24 (currently amended): The A Ni based alloy of claim 18 ~~with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:~~

Cr: from more than 28% to less than 34%, W: from more than 0.1% to less than 1.0%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,
further comprising at least one ~~either one, or both,~~ of Mo: from 0.01% to less than 0.5% and Hf: 0.01% to 0.1%[[,]]; and
further comprising at least one ~~either one, or both,~~ of Fe: 0.1% to 10% and Si: 0.01% to 0.1%;
~~and a remainder as Ni and unavoidable impurities,~~
~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 25 (currently amended): The A Ni based alloy of claim 18 ~~with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:~~

~~Cr: from more than 28% to less than 34%, W: from more than 0.1% to less than 1.0%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,~~

further comprising Nb: from more than 1.0% to 6% or less[.];

at least one further comprising either one, or both, of Mo: from 0.01% to less than 0.5% and Hf: 0.01% to 0.1%[[,]]; and

at least one further comprising either one, or both, of Fe: 0.1% to 10% and Si: 0.01% to 0.1%;

~~and a remainder as Ni and unavoidable impurities,~~

~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 26 (currently amended): A member for a supercritical water process reaction apparatus,

wherein said member comprises a Ni based alloy according to claim ~~any one of claims 18 to~~

~~25.~~